## **Rhode Island Middle School Survey 10-year Trend Analysis Report**

**Total Injury and Violence** 

		Health Risk Behav	vior and Percentag	res		Linear Change <sup>*</sup>	Quadratic Change*	Change from 2019-2021 $^{\dagger}$
2011	2013	2015	2017	2019	2021	<del></del>		
QN8: Percentage	e of students who d	id not always wear	a seat belt (when ric	ling in a car driven	by someone else)			
37.8	30.9	31.1	33.4	32.4	30.6	Decreased, 2011-2021	No quadratic change	No change
QN12: Percentag	ge of students who	were ever bullied or	n school property					
38.8	40.1	38.0	33.4	31.9	32.9	Decreased, 2011-2021	No quadratic change	No change
	ge of students who book, or other social	were ever electronic media)	cally bullied (counti	ng being bullied th	rough texting,			
22.0	23.0	20.8	21.4	20.4	29.1	Increased, 2011-2021	No change, 2011-2017 Increased, 2017-2021	Increased

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

## **Rhode Island Middle School Survey 10-year Trend Analysis Report**

**Total** 

		Health Risk Behav	ior and Percentag	ges		Linear Change*	Quadratic Change*	Change from 2019-2021
2011	2013	2015	2017	2019	2021			
QN14: Percentag	ge of students who	ever seriously thoug	tht about killing the	emselves	<del>;</del>			
17.9	18.7	17.2	18.0	16.9	23.2	Increased, 2011-2021	No change, 2011-2017 Increased, 2017-2021	Increased
QN15: Percentag	ge of students who	ever made a plan ab	out how they would	d kill themselves		· ·		
10.8	12.6	10.8	11.6	11.3	16.8	Increased, 2011-2021	No change, 2011-2017 Increased, 2017-2021	Increased
QN16: Percentag	ge of students who	ever tried to kill the	mselves					:
6.3	8.5	6.2	6.5	6.1	9.4	Increased, 2011-2021	No change, 2011-2017 Increased, 2017-2021	Increased

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

# Rhode Island Middle School Survey 10-year Trend Analysis Report

Total
Tobacco Use

Tobacco Use		Health Risk Behav	ior and Percentag	res		Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2019-2021 †
2011	2013	2015	2017	2019	2021			
QN17: Percenta	ge of students who	ever tried cigarette s	moking (even one	or two puffs)	:			
16.5	13.9	7.2	5.1	5.3	4.7	Decreased, 2011-2021	Decreased, 2011-2017 No change, 2017-2021	No change
QN19: Percenta survey)	ge of students who	currently smoked ci	garettes (on at least	1 day during the 3	days before the			
3.9	3.5	0.9	1.9	1.6	0.9	Decreased, 2011-2021	No quadratic change	No change
QNFRCIG: Pero 30 days before th		who currently smok	ed cigarettes freque	ently (on 20 or more	e days during the			
1.1	0.6	0.1	0.3	0.2	0.4	Decreased, 2011-2021	Decreased, 2011-2015 No change, 2015-2021	No change
QNDAYCIG: Pobefore the survey		ts who currently smo	oked cigarettes dail	y (on all 30 days du	uring the 30 days			
1.0	0.5	0.1	0.3	0.2	0.3	Decreased, 2011-2021	Decreased, 2011-2015 No change, 2015-2021	No change

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

## **Rhode Island Middle School Survey** 10-year Trend Analysis Report

**Total** 

		Health Risk Behav	ior and Percentag	ges		Linear Change*	Quadratic Change*	Change from 2019-2021 †
2011	2013	2015	2017	2019	2021	<del></del>		
QN21: Percenta	age of students who	ever used an electro	nic vapor product	· ·				
		15.6	15.7	16.4	11.3	Decreased, 2015-2021	Not available§	Decreased
vape pens, e-cig		currently used an elekah pens, and mods e the survey)						
-		7.6	6.4	6.5	5.6	Decreased, 2015-2021	Not available	No change
•								
QNFREVP: Pe	rcentage of students 30 days before the s	who currently used	electronic vapor pr	oducts frequently (	on 20 or more			

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05. §Not enough years of data to calculate.

		Health Risk Behav	ior and Percentag	es		Linear Change*	Quadratic Change <sup>*</sup>	Change from 2019-2021
2011	2013	2015	2017	2019	2021			
QNDAYEVP: If the 30 days befo		its who currently use	ed electronic vapor	products daily (on a	all 30 days during	5		
the 30 days belo	ie tile survey)	0.5	0.9	0.5	0.9	No linear change	Not available§	No change
		o currently smoked	cigarettes or used e	lectronic vapor pro-	ducts (on at least			
1 day during the	30 days before the	survey) 7.5	7.1	6.6	5.4	Decreased, 2015-2021	Not available	No change
	,							
dissolvable toba	cco products [such a	currently used smok as Copenhagen, Griz ing the 30 days befo	zly, Skoal, or Cam					
	•	•	• /					

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

otal obacco Use		${\bf Linear~Change}^*$	Quadratic Change <sup>*</sup>	Change from 2019-2021 †				
2011	2013	2015	2017	2019	2021			
dip, snus, or diss	solvable tobacco pro	who currently used ducts [such as Cope or more days durin	nhagen, Grizzly, S	koal, or Camel Snu				
			0.6	0.5	0.3	No linear change	Not available§	No change
dip, snus, or diss	solvable tobacco pro	ats who currently used ducts [such as Cope 30 days during the	nhagen, Grizzly, S	koal, or Camel Snu				
dip, snus, or diss	solvable tobacco pro	ducts [such as Cope	nhagen, Grizzly, S	koal, or Camel Snu		No linear change	Not available	No change
dip, snus, or diss any electronic va QN24: Percenta	solvable tobacco pro apor products, on all	ducts [such as Cope 1 30 days during the currently smoked ci	nhagen, Grizzly, S 30 days before the 0.4	koal, or Camel Snu survey) 0.5	s], not counting 0.3	No linear change	Not available	No change

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

otal obacco Use								
		Health Risk Behav	rior and Percentag	ges		Linear Change*	Quadratic Change*	Change from 2019-2021
2011	2013	2015	2017	2019	2021			
		to currently smoked at 1 day during the 30			tobacco or			
			7.5	6.7	5.5	Decreased, 2017-2021	Not available <sup>§</sup>	No change
	ntage of students wh	o currently smoked (	cigarettes or cigars	or used smokeless	tobacco (on at			.,
			cigarettes or cigars	or used smokeless t	tobacco (on at	Decreased, 2017-2021	Not available	Decreased
east 1 day durin	ng the 30 days before		3.5	2.6	1.3	Decreased, 2017-2021	Not available	Decreased
east 1 day durin	ng the 30 days before	s who currently smok	3.5	2.6	1.3	Decreased, 2017-2021  No linear change	Not available  No quadratic change	Decreased  No change
QNFRCGR: Pe on 20 or more do 0.6	ercentage of students lays during the 30 da	s who currently smok lys before the survey 0.1	3.5 xed cigars frequentl () 0.6	2.6 ly (cigars, cigarillos 0.6	1.3 , or little cigars, 0.4			

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

## **Rhode Island Middle School Survey** 10-year Trend Analysis Report

Total

		Health Risk Behav	vior and Percentag	ges		Linear Change <sup>*</sup>	Quadratic Change*	Change from 2019-2021 †
2011	2013	2015	2017	2019	2021			
QN25: Percenta	ge of students who	ever drank alcohol (	other than a few sip	os)				
23.2	21.7	16.4	20.8	15.5	11.6	Decreased, 2011-2021	No quadratic change	No change
	ge of students who				han a few sips)			
QN26: Percenta 9.5	ge of students who	drank alcohol for th	e first time before a		than a few sips)	Decreased, 2011-2021	No quadratic change	No change
QN26: Percenta 9.5	ge of students who	drank alcohol for th	e first time before a	ge 11 years (other t		Decreased, 2011-2021	No quadratic change	No change
QN26: Percenta 9.5	ge of students who	drank alcohol for th	e first time before a	ge 11 years (other t		Decreased, 2011-2021  Decreased, 2011-2021	No quadratic change  No quadratic change	No change  Decreased
QN26: Percenta 9.5 QN27: Percenta 10.0	ge of students who 9.2 ge of students who	drank alcohol for th 5.2  ever used marijuana 6.6	e first time before a  8.5  8.6	ge 11 years (other t 6.0 7.4	5.2	, 		

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

	g	Health Risk Behav	vior and Percentag	es		Linear Change*	Quadratic Change*	Change from 2019-2021
2011	2013	2015	2017	2019	2021			
		aver took preserinti	on pain medicine wi	thout a doctor's pre-	scription or			
N29: Percenta ifferently than ydrocodone, ar	how a doctor told th	em to use it (counting	ng drugs such as coo	deine, Vicodin, Oxy	contin,			

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

Total Sexual Behaviors		Health Risk Beha	vior and Percentag	ges		Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2019-2021 <sup>†</sup>
2011	2013	2015	2017	2019	2021			
QN32: Percentag	ge of students who	ever had sexual inte	ercourse	· · · · · · · · · · · · · · · · · · ·				
12.4	9.8	6.7	8.1	6.7	4.3	Decreased, 2011-2021	No quadratic change	Decreased

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

		Health Risk Behav	ior and Percentag	ges		Linear Change*	Quadratic Change <sup>*</sup>	Change fron 2019-2021
2011	2013	2015	2017	2019	2021			
	activity that increas	were physically acti ed their heart rate an						
55.4	49.8	52.6	46.2	44.6	45.9	Decreased, 2011-2021	No quadratic change	No change
	ny kind of physical a	ts who did not partic						
	he 7 days before the	e survey) 11.3	17.8	11.6	14.6	Increased, 2011-2021	No quadratic change	No change
he time during t 10.1  QNPA7DAY: P	12.1 Percentage of studentical activity that inc	•	lly active at least 6	0 minutes per day of	on all 7 days (in	Increased, 2011-2021	No quadratic change	No change

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

Total Physical Activity		Health Risk Behav	vior and Percentag	ges		Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2019-2021 †
2011	2013	2015	2017	2019	2021	_		
	ge of students who g the 12 months be	had a concussion frefore the survey)	om playing a sport	or being physically	active (one or	,		
			18.1	16.4	16.2	No linear change	Not available <sup>§</sup>	No change

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

Total Other		Health Risk Behav	vior and Percentag	ges		Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2019-2021 <sup>†</sup>
2011	2013	2015	2017	2019	2021			
QN45: Percenta	ge of students who	got 8 or more hours	of sleep (on an ave	erage school night)				
				51.9	50.6	No linear change	Not available <sup>§</sup>	No change

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

## Rhode Island Middle School Survey 10-year Trend Analysis Report

		Health Risk Behav	rior and Percentag	ges		Linear Change*	Quadratic Change*	Change from 2019-2021
2011	2013	2015	2017	2019	2021			
QN47: Percenta	age of students who	think other people a	t school would desc	cribe them as equal	ly feminine and			
	age of students who	think other people a	t school would desc	cribe them as equal	ly feminine and 21.4	No linear change	Not available <sup>§</sup>	No change
masculine	ge of students who			20.8	21.4	No linear change	Not available <sup>§</sup>	No change

27.7

3.6

Decreased, 2017-2021

No linear change

27.7

3.4

QN53: Percentage of students who most of the time or always went hungry because there was not enough food

QN50: Percentage of students who reported someone who lives with them smokes cigarettes

34.7

Total

in their home (during the 30 days before the survey)

No change

No change

Not available

Not available

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

Based on t-test analysis, p < 0.05.

<sup>§</sup>Not enough years of data to calculate.

## **Rhode Island Middle School Survey** 10-year Trend Analysis Report

**Total** 

		Health Risk Behav	vior and Percentag	ges		Linear Change*	Quadratic Change*	Change from 2019-2021
2011	2013	2015	2017	2019	2021			
	age of students who sonths before the surv		check-up, exam, tee	eth cleaning, or oth	er dental work,			
	73.1	72.7	79.3	76.9	66.6	No linear change	Not available§	Decreased
	age of students who a onths before the surv		or mouth have been 54.0	n painful or sore (or 51.4	ne or more times	Increased, 2013-2021	Not available	Increased
during the 12 mo	onths before the surv	45.3 sometimes, most of	54.0 the time, or always	51.4	57.1	Increased, 2013-2021	Not available	Increased
during the 12 mo	44.3 age of students who	45.3 sometimes, most of	54.0 the time, or always	51.4	57.1	Increased, 2013-2021 Increased, 2013-2021	Not available  Not available	Increased
during the 12 mo QN56: Percenta because of their	44.3  age of students who steeth or mouth (duri	sometimes, most of ng the 12 months be 16.6	54.0 the time, or always efore the survey) 17.0	51.4 s were self-consciou 19.7	57.1 as or embarrassed			

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05. §Not enough years of data to calculate.

## **Rhode Island Middle School Survey** 10-year Trend Analysis Report

**Total** 

		Health Risk Behav	ior and Percentag	ges		Linear Change <sup>*</sup>	Quadratic Change*	Change from 2019-2021
2011	2013	2015	2017	2019	2021			
QN58: Percenta	age of students who	strongly agree or ag	ree that they feel li	ke they belong at th	eir school			
	71.1	73.0	65.9	63.0	61.7	Decreased, 2013-2021	Not available§	No change
	age of students who ad an important ques			om one or more adu	alts besides their 82.3	Increased, 2013-2021	Not available	No change
QN61: Percenta	age of students who o	described their grade	es in school as mos	tly A's or B's (during	g the 12 months			
		described their grade	es in school as mos	tly A's or B's (durin	ng the 12 months	No linear change	No quadratic change	No change
efore the survey	y)	72.9	72.1	73.2	73.6		No quadratic change	No change

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05. §Not enough years of data to calculate.

## **Rhode Island Middle School Survey** 10-year Trend Analysis Report

		Health Risk Behav	rior and Percentag	ges		Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2019-2021 †
2011	2013	2015	2017	2019	2021			
QN8: Percentage	e of students who d	id not always wear a	seat belt (when ric	ding in a car driven	by someone else)	)		
40.4	33.1	32.9	33.4	33.0	31.8	Decreased, 2011-2021	No quadratic change	No change
QN12: Percentag	ge of students who	were ever bullied or	school property					
39.0	35.7	31.9	27.4	26.8	25.8	Decreased, 2011-2021	No quadratic change	No change
	ge of students who	were ever electronic media)	ally bullied (counti	ing being bullied th	rough texting,	<del></del>		
14.9	16.1	12.3	12.6	14.5	20.6	Increased, 2011-2021	No change, 2011-2017 Increased, 2017-2021	Increased
QN14: Percentag	ge of students who	ever seriously thoug	ht about killing the	emselves				
14.7	13.9	8.8	9.9	11.3	14.5	No linear change	Decreased, 2011-2015 Increased, 2015-2021	No change

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

## **Rhode Island Middle School Survey** 10-year Trend Analysis Report

njury and Violen		Health Risk Behav	vior and Percentag	ges		Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2019-2021 †
2011	2013	2015	2017	2019	2021			
QN15: Percenta	ge of students who	ever made a plan ab	out how they would	d kill themselves				
9.7	10.0	5.5	7.1	8.4	10.6	No linear change	Decreased, 2011-2015 Increased, 2015-2021	No change
QN16: Percenta	ge of students who	ever tried to kill the	mselves	•		· · · ·		•
5.1	6.7	2.9	3.7	4.6	6.7	No linear change	Decreased, 2011-2017 Increased, 2017-2021	Increased

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

## **Rhode Island Middle School Survey** 10-year Trend Analysis Report

		Health Risk Behav	vior and Percentag	res		Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2019-2021
2011	2013	2015	2017	2019	2021			
N17: Percenta	ige of students who	ever tried cigarette s	smoking (even one	or two puffs)	,			
18.5	15.2	6.6	4.3	5.8	3.6	Decreased, 2011-2021	Decreased, 2011-2017 No change, 2017-2021	Decreased
N19: Percenta urvey)	age of students who	currently smoked ci	garettes (on at least	1 day during the 30	days before the			,
4.1	4.3	0.4	1.9	1.8	0.5	Decreased, 2011-2021	No quadratic change	Decreased
NFRCIG: Pero 0 days before the	centage of students he survey)	who currently smok	ed cigarettes freque	ently (on 20 or more	days during the			
1.7	0.8	0.1	0.2	0.4	0.0	Not available	Not available <sup>§</sup>	Not available
		. 1	olsed eigerattes deil	v (on all 30 days dr	uring the 30 days			
NDAYCIG: Pefore the survey	Percentage of studen y)	ts who currently sm	okeu cigarettes dan	y (on an 30 days de	2			

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05. §Not enough years of data to calculate.

## **Rhode Island Middle School Survey** 10-year Trend Analysis Report

		Health Risk Behav	ior and Percentag	ges		Linear Change*	Quadratic Change*	Change from 2019-2021 †
2011	2013	2015	2017	2019	2021	<del></del>		
QN21: Percenta	age of students who	ever used an electro	nic vapor product	· ·	,			
		17.2	16.3	16.4	9.8	Decreased, 2015-2021	Not available§	Decreased
vape pens, e-cig		currently used an elekah pens, and mods e the survey)						
		8.2	6.9	5.6	4.3	Decreased, 2015-2021	Not available	No change
	rcentage of students 30 days before the s	who currently used urvey)	electronic vapor pr	oducts frequently (c	on 20 or more			

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05. §Not enough years of data to calculate.

ıring  No linear change Not available <sup>§</sup> No c
-
No linear change Not available <sup>§</sup> No c
least
Decreased, 2015-2021 Not available No c

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

		Health Risk Behav	ior and Percentag	ges		Linear Change*	Quadratic Change*	Change from 2019-2021
2011	2013	2015	2017	2019	2021			
lip, snus, or diss	solvable tobacco pro	who currently used oducts [such as Cope or more days during	nhagen, Grizzly, Sl	koal, or Camel Snu				
			0.5	0.4	0.2	No linear change	Not available§	No change
lip, snus, or diss	solvable tobacco pro	nts who currently use oducts [such as Cope 1 30 days during the	nhagen, Grizzly, Sl	koal, or Camel Snu		No linear change	Not available	No change
lip, snus, or diss any electronic va QN24: Percenta	solvable tobacco pro apor products, on al	oducts [such as Cope 1 30 days during the currently smoked ci	nhagen, Grizzly, Sl 30 days before the 0.2	koal, or Camel Snus survey) 0.4	s], not counting 0.2	No linear change	Not available	No change

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

bacco Use		Health Risk Behav	ior and Percentag	es		Linear Change <sup>*</sup>	Quadratic Change*	Change from 2019-2021
2011	2013	2015	2017	2019	2021			
		o currently smoked at 1 day during the 30			obacco or			
			8.1	5.9	4.2	Decreased, 2017-2021	Not available§	No change
QNTB3: Percer least 1 day durir	ntage of students what the 30 days before	o currently smoked e the survey)	cigarettes or cigars 4.3	or used smokeless t	obacco (on at	Decreased, 2017-2021	Not available	Decreased
QNFRCGR: Pe	rcentage of students	who currently smol	ted cigars frequentl	y (cigars, cigarillos	, or little cigars,			
QNFRCGR: Pe on 20 or more d 1.0	rcentage of students ays during the 30 da 0.6	who currently smol ys before the survey 0.1	ted cigars frequentl ) 0.8	y (cigars, cigarillos,	or little cigars,	No linear change	No quadratic change	No change
on 20 or more d 1.0  QNDAYCGR:	ays during the 30 da	ys before the survey 0.1  nts who currently sm	0.8	0.6	0.2	No linear change	No quadratic change	No change

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

## **Rhode Island Middle School Survey** 10-year Trend Analysis Report

		Health Risk Behav	vior and Percentag	ges		Linear Change <sup>*</sup>	Quadratic Change*	Change from 2019-2021
2011	2013	2015	2017	2019	2021			
QN25: Percentag	ge of students who	ever drank alcohol (	other than a few sip	ps)				
24.3	23.7	14.3	21.5	17.9	10.8	Decreased, 2011-2021	No quadratic change	Decreased
QN26: Percenta	ge of students who	drank alcohol for th	e first time before a	age 11 years (other t	than a few sips)			:
QN26: Percenta <sub>s</sub>	ge of students who o	drank alcohol for th	e first time before a	age 11 years (other t	than a few sips) 4.4	Decreased, 2011-2021	No quadratic change	Decreased
10.9	10.2		10.5		•	Decreased, 2011-2021	No quadratic change	Decreased
10.9	10.2	4.9	10.5		•	Decreased, 2011-2021  Decreased, 2011-2021	No quadratic change  No change, 2011-2017  Decreased, 2017-2021	Decreased Decreased
10.9 QN27: Percenta 11.2	10.2 ge of students who o	4.9 ever used marijuana	10.5 n 8.7	7.8	4.4	, 	No change, 2011-2017	

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

cohol and Othe	J	Health Risk Behav	ior and Percentag	es		Linear Change*	Quadratic Change <sup>*</sup>	Change from 2019-2021
2011	2013	2015	2017	2019	2021			
ON29: Percenta	age of students who how a doctor told th		on pain medicine wi					
		`						

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

Male Sexual Behaviors		Health Risk Behav	vior and Percentag	ges	Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2019-2021 †	
2011	2013	2015	2017	2019	2021			
QN32: Percentage	e of students who	ever had sexual inte	rcourse		,			
16.5	12.2	8.7	11.1	8.3	4.4	Decreased, 2011-2021	No quadratic change	Decreased

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

hysical Activity		Health Risk Behav	ior and Percentag	ges		Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2019-2021 †
2011	2013	2015	2017	2019	2021			
	ge of students who activity that increase survey)							
62.9	55.8	59.2	54.3	48.0	52.1	Decreased, 2011-2021	No quadratic change	No change
least 1 day (in ar the time during t 9.5	Percentage of studen ny kind of physical a he 7 days before the 12.4	activity that increase e survey) 9.2	d their heart rate and their heart	nd made them breat	he hard some of	No linear change	No quadratic change	No change
	Percentage of studentical activity that incee the survey)							
41.4	33.1	34.9	32.0	28.0	32.8	Decreased, 2011-2021	Decreased, 2011-2017 No change, 2017-2021	No change

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

Male Physical Activity		Health Risk Behav	vior and Percentag	ges		Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2019-2021 †
2011	2013	2015	2017	2019	2021			
	ge of students who g the 12 months be	had a concussion freefore the survey)	om playing a sport	or being physically	active (one or			
			20.3	19.1	17.1	No linear change	Not available <sup>§</sup>	No change

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

Male Other		Health Risk Behav	vior and Percentag	Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2019-2021 †		
2011	2013	2015	2017	2019	2021			
QN45: Percenta	ge of students who	got 8 or more hours	of sleep (on an ave	erage school night) 52.9	54.7	No linear change	Not available <sup>§</sup>	No change

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

te-Added		Health Risk Behav	Linear Change*	Quadratic Change <sup>*</sup>	Change from 2019-2021 †			
2011	2013	2015	2017	2019	2021			
QN47: Percenta masculine	age of students who	think other people a	t school would desc	cribe them as equall	y feminine and	-		
				22.3	18.0	No linear change	Not available§	No change
QN49: Percenta 12 months before	rage of students who	were in a physical f	ight on school prop	erty (one or more ti	mes during the			
			21.1	24.0	17.1	Decreased, 2017-2021	Not available	Decreased
QN50: Percenta	age of students who	reported someone w	ho lives with them	smokes cigarettes				
			33.0	27.4	28.3	No linear change	Not available	No change
		most of the time or	always went hungry	y because there was	not enough food	<u> </u>		
	age of students who luring the 30 days be		, .					

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

## **Rhode Island Middle School Survey** 10-year Trend Analysis Report

		Health Risk Behav	vior and Percentag	ges		Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2019-2021
2011	2013	2015	2017	2019	2021			
	age of students who sonths before the surv		check-up, exam, tee	eth cleaning, or oth	er dental work,			
	74.3	72.8	77.2	74.4	65.8	Decreased, 2013-2021	Not available§	Decreased
	age of students who ronths before the surv		or mouth have been	n painful or sore (or	ne or more times 53.1	Increased, 2013-2021	Not available	Increased
during the 12 mo	onths before the surv	40.5 sometimes, most of	50.0 the time, or always	47.0	53.1	Increased, 2013-2021	Not available	Increased
during the 12 mo	41.2  age of students who s	40.5 sometimes, most of	50.0 the time, or always	47.0	53.1	Increased, 2013-2021 Increased, 2013-2021	Not available  Not available	Increased  No change
QN56: Percenta pecause of their	41.2  age of students who steeth or mouth (duri	40.5 sometimes, most of ng the 12 months be 10.6	50.0 the time, or always efore the survey) 12.2	47.0 s were self-conscion 13.5	53.1 us or embarrassed			

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05. §Not enough years of data to calculate.

## **Rhode Island Middle School Survey** 10-year Trend Analysis Report

		Health Risk Behav	ior and Percentag	Linear Change*	Quadratic Change*	Change from 2019-2021 †		
2011	2013	2015	2017	2019	2021			
N58: Percenta	ge of students who	strongly agree or ag	ree that they feel li	ke they belong at th	eir school			
	74.2	79.5	72.6	67.2	70.5	Decreased, 2013-2021	Not available§	No change
	ad an important que	would feel comforta stion affecting their	life					
	71.9	79.4	80.9	79.8	82.9	Increased, 2013-2021	Not available	No change
N61: Percenta		described their grade	es in school as mos	tly A's or B's (during	ng the 12 months	· •		
65.1	65.3	69.6	66.7	67.9	73.3	Increased, 2011-2021	No quadratic change	No change
					uning or other			:
NNODNT: Pe	rcentage of students	s who never saw a d	entist (for a check-	up, exam, teeth clea	ining, or other			

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05. §Not enough years of data to calculate.

## Rhode Island Middle School Survey 10-year Trend Analysis Report

**Female Injury and Violence Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2019-2021 † 2011 2013 2015 2017 2019 2021 QN8: Percentage of students who did not always wear a seat belt (when riding in a car driven by someone else) 35.0 28.3 29.4 33.0 31.4 29.5 No linear change No quadratic change No change QN12: Percentage of students who were ever bullied on school property 38.6 44.6 44.6 39.8 37.1 39.6 No linear change No quadratic change No change QN13: Percentage of students who were ever electronically bullied (counting being bullied through texting, Instagram, Facebook, or other social media) 29.6 30.2 30.2 30.8 26.6 37.3 No quadratic change Increased Increased, 2011-2021 QN14: Percentage of students who ever seriously thought about killing themselves 21.3 23.9 26.2 26.7 22.4 31.2 Increased, 2011-2021 No quadratic change Increased

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. Based on t-test analysis, p < 0.05.

## Rhode Island Middle School Survey 10-year Trend Analysis Report

Female **Injury and Violence Linear Change**\* **Health Risk Behavior and Percentages** Quadratic Change\* Change from 2019-2021 † 2011 2013 2015 2017 2019 2021 QN15: Percentage of students who ever made a plan about how they would kill themselves 12.0 15.2 16.6 16.2 14.2 No quadratic change 22.5 Increased, 2011-2021 Increased QN16: Percentage of students who ever tried to kill themselves 7.5 10.4 9.7 9.6 7.6 12.2 No linear change No quadratic change Increased

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

Female	
Tobacco	Use

		Health Risk Behav	ior and Percentag	ges		Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2019-2021
2011	2013	2015	2017	2019	2021			
QN17: Percenta	ge of students who	ever tried cigarette s	moking (even one	or two puffs)	·			
14.5	12.5	8.0	5.9	4.5	5.7	Decreased, 2011-2021	No quadratic change	No change
QN19: Percenta survey)	ge of students who	currently smoked ci	garettes (on at least	1 day during the 30	days before the			,
3.6	2.4	1.4	1.7	1.2	1.3	Decreased, 2011-2021	No quadratic change	No change
QNFRCIG: Perc 30 days before th		who currently smok	ed cigarettes freque	ently (on 20 or more	e days during the			
0.6	0.3	0.1	0.4	0.0	0.8	Not available	Not available§	Not available
QNDAYCIG: Population		ts who currently sme	oked cigarettes dail	y (on all 30 days du	uring the 30 days			
0.5	0.3	0.1	0.4	0.0	0.7	Not available	Not available	Not available

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

## **Rhode Island Middle School Survey** 10-year Trend Analysis Report

Female

		Health Risk Behav	Linear Change*	Quadratic Change <sup>*</sup>	Change from 2019-2021 $^\dagger$			
2011	2013	2015	2017	2019	2021	<del></del>		
QN21: Percenta	age of students who	ever used an electro	nic vapor product	-	<del>.</del>	,		
		14.1	15.3	16.3	12.7	No linear change	Not available§	No change
vape pens, e-cig		currently used an ele kah pens, and mods e the survey)				No linear change	Not available	No change
		7.0	0.0		0.7	Two initial change	1 tot available	Two change
					• •			
	rcentage of students 30 days before the s	who currently used urvey)	electronic vapor pr	oducts frequently (	on 20 or more			

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05. §Not enough years of data to calculate.

3 2015	5 2017	2019				
•		2019	2021			
of students who curr ey)	rently used electronic va	apor products daily (	on all 30 days during			
0.3	3 1.0	0.3	1.0	No linear change	Not available <sup>§</sup>	No change
	smoked cigarettes or us	sed electronic vapor p	products (on at least			
7.1	6.4	7.2	6.6	No linear change	Not available	No change
e:	dents who currently efore the survey) 7.1 ents who currently us ts [such as Copenhag	dents who currently smoked cigarettes or usefore the survey)  7.1 6.4  ents who currently used smokeless tobacco (	dents who currently smoked cigarettes or used electronic vapor perfore the survey)  7.1 6.4 7.2  ents who currently used smokeless tobacco (chewing tobacco, snots [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not cou	dents who currently smoked cigarettes or used electronic vapor products (on at least effore the survey)  7.1 6.4 7.2 6.6  ents who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or ts [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic	0.3 1.0 0.3 1.0 No linear change  dents who currently smoked cigarettes or used electronic vapor products (on at least effore the survey)  7.1 6.4 7.2 6.6 No linear change  ents who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or ts [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic	0.3 1.0 0.3 1.0 No linear change Not available dents who currently smoked cigarettes or used electronic vapor products (on at least effore the survey)  7.1 6.4 7.2 6.6 No linear change Not available ents who currently used smokeless tobacco (chewing tobacco, snuff, dip, snus, or ts [such as Copenhagen, Grizzly, Skoal, or Camel Snus], not counting any electronic

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

bacco Use		Health Risk Behav	ior and Percentag	ges		Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2019-2021
2011	2013	2015	2017	2019	2021			
lip, snus, or diss	solvable tobacco pro	who currently used oducts [such as Cope or more days durin	nhagen, Grizzly, S	koal, or Camel Snu				
			0.7	0.5	0.5	No linear change	Not available <sup>§</sup>	No change
ip, snus, or diss	solvable tobacco pro	nts who currently used by the color of the currently used by the currently used to the c	ed smokeless tobac nhagen, Grizzly, S	co daily (chewing to	obacco, snuff,	No linear change  No linear change	Not available <sup>8</sup> Not available	No change  No change
lip, snus, or diss ny electronic va 2N24: Percenta	solvable tobacco pro apor products, on al	oducts [such as Cope 1 30 days during the currently smoked ci	ed smokeless tobac nhagen, Grizzly, S 30 days before the 0.6	co daily (chewing to koal, or Camel Snu survey) 0.5	obacco, snuff, s], not counting  0.5			

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

bacco Use								
		Health Risk Behav	ior and Percentag	ges		Linear Change <sup>*</sup>	Quadratic Change*	Change from 2019-2021
2011	2013	2015	2017	2019	2021			
		no currently smoked st 1 day during the 30			tobacco or			
			6.6	7.3	6.7	No linear change	Not available§	No change
	ntage of students wh	no currently smoked e the survey)	cigarettes or cigars	or used smokeless	tobacco (on at			,
			cigarettes or cigars 2.4	or used smokeless	tobacco (on at	No linear change	Not available	No change
east 1 day durin	ng the 30 days befor		2.4 ked cigars frequentl	2.1	1.5	No linear change	Not available	No change
east 1 day durin	ng the 30 days befor	e the survey)	2.4 ked cigars frequentl	2.1	1.5	No linear change  Not available	Not available  Not available	No change
QNFRCGR: Pe on 20 or more do 0.3	rcentage of students ays during the 30 da 0.2	s who currently smol ays before the survey 0.0	2.4  xed cigars frequentl ()  0.5	2.1 ly (cigars, cigarillos 0.4	1.5 , or little cigars, 0.6			

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

# Rhode Island Middle School Survey 10-year Trend Analysis Report

**Female Alcohol and Other Drug Use Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2019-2021 † 2011 2013 2015 2017 2019 2021 QN25: Percentage of students who ever drank alcohol (other than a few sips) 22.1 19.6 18.7 20.0 12.9 11.9 Decreased, 2011-2021 No quadratic change No change QN26: Percentage of students who drank alcohol for the first time before age 11 years (other than a few sips) 7.9 8.4 5.6 6.5 4.0 5.8 Decreased, 2011-2021 No quadratic change No change QN27: Percentage of students who ever used marijuana 8.6 7.9 6.8 8.5 6.9 4.8 Decreased, 2011-2021 No quadratic change No change QN28: Percentage of students who tried marijuana for the first time before age 11 years 2.2 1.8 1.4 1.5 Decreased, 2011-2021 No quadratic change No change 1.1 1.1

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. Based on t-test analysis, p < 0.05.

		Health Risk Behav	vior and Percentag	es	Linear Change*	Quadratic Change*	Change from 2019-2021 †	
2011	2013	2015	2017	2019	2021			
1100 D	age of students who		on pain medicine wi					
	how a doctor told th	em to use it (counting	ng drugs such as coo	ieine, vicodin, Oxy	conun,			

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

Female Sexual Behaviors		Health Risk Beha	ior and Percentag	ees	Linear Change <sup>*</sup>	Quadratic Change*	Change from 2019-2021 †	
2011	2013	2015	2017	2019	2021			
QN32: Percentage	e of students who	ever had sexual inte	rcourse		,			
8.2	7.1	4.6	4.8	4.9	4.1	Decreased, 2011-2021	No quadratic change	No change

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

emale hysical Activity  Health Risk Behavior and Percentages  Linear Change*  Quadratic Change*  Change from									
		Health Risk Benav	nor and Percentag	ges		Linear Change	Quadrauc Change	2019-2021 †	
2011	2013	2015	2017	2019	2021				
	activity that increas	were physically acti ed their heart rate an							
47.5	43.7	45.9	37.6	41.2	40.9	No linear change	No quadratic change	No change	
least 1 day (in ar		ts who did not partic activity that increase e survey) 13.0				Increased, 2011-2021	No quadratic change	No change	
	sical activity that inc	ts who were physica creased their heart ra							
23.3	20.2	19.6	18.5	20.7	22.5	No linear change	Decreased, 2011-2017 Increased, 2017-2021	No change	

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

Female Physical Activity		Health Risk Behav	vior and Percentas	Linear Change <sup>*</sup>	Quadratic Change*	Change from 2019-2021 †		
2011	2013	2015	2017	2019	2021			
QN43: Percentag more times during		had a concussion freefore the survey)	om playing a sport	or being physically	active (one or	,		
			15.7	13.4	15.2	No linear change	Not available <sup>§</sup>	No change

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

ther		Health Risk Beha	Linear Change*	Quadratic Change <sup>*</sup>	Change from 2019-2021 <sup>†</sup>			
2011	2013	2015	2017	2019	2021			
QN45: Percenta	age of students who	got 8 or more hours	of sleep (on an ave	rage school night)				

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

# **Rhode Island Middle School Survey** 10-year Trend Analysis Report

		Health Risk Behav	vior and Percentag	res		Linear Change*	Quadratic Change*	Change from 2019-2021 †
2011	2013	2015	2017	2019	2021			
	nge of students who	think other people a	t school would desc	cribe them as equall	y feminine and			
nasculine								
				19.4	23.6	Increased, 2019-2021	Not available§	No change
				19.4	23.6	Increased, 2019-2021	Not available <sup>§</sup>	No change
		were in a physical fi	ght on school prope			Increased, 2019-2021	Not available <sup>§</sup>	No change
		were in a physical fi	ight on school properties of the school proper			Increased, 2019-2021  No linear change	Not available <sup>§</sup>	No change
QN49: Percenta 2 months befor		were in a physical fi		erty (one or more ti	mes during the			
2 months befor	e the survey)	were in a physical fi	10.2	erty (one or more ti	mes during the			

4.0

5.0

No linear change

Not available

QN53: Percentage of students who most of the time or always went hungry because there was not enough food

in their home (during the 30 days before the survey)

No change

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05.

<sup>§</sup>Not enough years of data to calculate.

# **Rhode Island Middle School Survey** 10-year Trend Analysis Report

**Female** 

		Health Risk Behav	ior and Percentag	ges		Linear Change*	Quadratic Change*	Change from 2019-2021
2011	2013	2015	2017	2019	2021			
	ge of students who sonths before the surv		check-up, exam, tec	eth cleaning, or oth	er dental work,			
	72.1	72.5	82.2	79.7	68.0	No linear change	Not available§	Decreased
	ge of students who is onthis before the surv		or mouth have been 58.4	n painful or sore (or 56.1	e or more times 60.7	Increased, 2013-2021	Not available	No change
during the 12 mo	onths before the surv	50.4 sometimes, most of	58.4 the time, or always	56.1	60.7	Increased, 2013-2021	Not available	No change
during the 12 mo	47.5 ge of students who s	50.4 sometimes, most of	58.4 the time, or always	56.1	60.7	Increased, 2013-2021 Increased, 2013-2021	Not available  Not available	No change
QN56: Percenta pecause of their t	47.5 ge of students who steeth or mouth (duri	50.4 sometimes, most of ng the 12 months be 22.7	58.4 the time, or always efore the survey) 22.3	56.1 were self-consciou	60.7			

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05. §Not enough years of data to calculate.

# **Rhode Island Middle School Survey** 10-year Trend Analysis Report

		Health Risk Behav	ior and Percentag	ges		Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change fron 2019-2021
2011	2013	2015	2017	2019	2021			
QN58: Percenta	ge of students who	strongly agree or ag	ree that they feel li	ke they belong at th	eir school			
	67.9	66.1	59.2	58.6	53.8	Decreased, 2013-2021	Not available§	No change
	ge of students who			om one or more ad	ults besides their			
	79.0	82.0	82.9	81.4	82.3	No linear change	Not available	No change
		doganihad thair and	es in school as mos	stly A's or B's (duri	ng the 12 months			1
QN61: Percenta	ge of students who	described their grad						

0.5

1.4

No linear change

0.6

0.7

dental work)

1.0

No change

Not available

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05.

<sup>§</sup>Not enough years of data to calculate.

		Health Risk Beha	vior and Percenta	ages		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021			
QN8: Percentage	e of students who d	id not always wear	a seat belt (when ric	ding in a car driven	by someone else	)		
29.9	22.1	21.4	23.2	24.0	22.0	Decreased, 2011-2021	No quadratic change	No change
QN12: Percenta	ge of students who	were ever bullied or	school property					
41.0	40.8	39.6	35.5	33.6	33.5	Decreased, 2011-2021	No quadratic change	No change
	ge of students who		cally bullied (counti	ing being bullied th	rough texting,	<del></del>		
24.2	23.5	23.1	24.6	23.4	28.4	No linear change	No quadratic change	No change
QN14: Percenta	ge of students who	ever seriously thoug	tht about killing the	emselves				
	13.1	15.1	16.2	15.3	20.3	No linear change	No quadratic change	No change

<sup>\*</sup>Non-Hispanic. †Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05.

# **Rhode Island Middle School Survey** 10-year Trend Analysis Report

**1171.24** a **\*** 

White* Injury and Viole	nce	Health Risk Beha	vior and Percenta	ges		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021			
QN15: Percenta	ge of students who	ever made a plan ab	out how they would	d kill themselves				
9.3	7.7	9.1	10.3	10.9	15.0	Increased, 2011-2021	No change, 2011-2015 Increased, 2015-2021	No change
QN16: Percenta	ge of students who	ever tried to kill the	mselves					
4.4	4.5	4.8	3.7	5.1	7.5	Increased, 2011-2021	No change, 2011-2017 Increased, 2017-2021	No change

<sup>\*</sup>Non-Hispanic. †Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05.

# **Rhode Island Middle School Survey** 10-year Trend Analysis Report

White\*

		Health Risk Beha	vior and Percenta	ior and Percentages Linear Change <sup>†</sup>		Quadratic Change <sup>†</sup>	Change from 2019-2021 §	
2011	2013	2015	2017	2019	2021			
QN17: Percenta	ge of students who	ever tried cigarette s	moking (even one	or two puffs)		, ,		
13.6	9.1	6.6	3.8	3.7	3.6	Decreased, 2011-2021	No quadratic change	No change
QN19: Percentag	ge of students who	currently smoked ci	garettes (on at least	1 day during the 3	days before the			
3.6	2.2	0.8	1.2	1.2	0.7	Decreased, 2011-2021	No quadratic change	No change
QNFRCIG: Perc 30 days before th		who currently smoke	ed cigarettes freque	ently (on 20 or more	e days during the			
0.8	0.7	0.0	0.1	0.1	0.3	Not available	Not available <sup>¶</sup>	No change
		ts who currently smo	oked cigarettes dail	y (on all 30 days du	uring the 30 days			
pefore the survey								

<sup>\*</sup>Non-Hispanic. †Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \$Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

White* Fobacco Use		Health Risk Beha	vior and Percenta	ges		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021			
QN21: Percenta	age of students who	ever used an electro	nic vapor product	;	· · · · · · · · · · · · · · · · · · ·			
		10.8	10.5	14.4	8.5	No linear change	Not available¶	Decreased
vape pens, e-cig		• •	[such as JUUL, SM	IOK, Suorin, Vuse,	and blu], on at			
		5.6	4.6	6.0	3.1	No linear change	Not available	Decreased
	rcentage of students 30 days before the s	who currently used urvey)	electronic vapor pr	oducts frequently (c	on 20 or more			
		0.6	0.5	0.9	0.8	No linear change	Not available	No change

<sup>\*</sup>Non-Hispanic.  $^{\dagger}$ Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  $^{\$}$ Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

White* Fobacco Use		Health Risk Beha	Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §			
2011	2013	2015	2017	2019	2021			
QNDAYEVP: P the 30 days before		ts who currently use	ed electronic vapor	products daily (on a	all 30 days during	,		
20 <b></b>		0.4	0.1	0.5	0.6	No linear change	Not available¶	No change
		o currently smoked	cigarettes or used e	lectronic vapor pro-	ducts (on at least			
I day during the	30 days before the	5.6	4.9	6.1	2.9	No linear change	Not available	Decreased
		currently used smok						
		s Copenhagen, Griz ing the 30 days befo		el Snus], not counti	ng any electronic			
			0.6	0.8	0.4	No linear change	Not available	No change

<sup>\*</sup>Non-Hispanic.  $^{\dagger}$ Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  $^{\$}$ Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

Vhite* Cobacco Use								
		Health Risk Beha	vior and Percenta	ges		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021			
dip, snus, or diss	olvable tobacco pro	who currently used ducts [such as Cope		koal, or Camel Snus				
any electronic va	ipoi products, on 20	or more days during						
any electronic va	ipor products, on 20	or more days durin	0.2	0.2	0.3	No linear change	Not available <sup>¶</sup>	No change
QNDAYSKL: F	Percentage of studen	nts who currently useducts [such as Cope 130 days during the	0.2 ed smokeless tobacenhagen, Grizzly, Sl	co daily (chewing to	obacco, snuff,	No linear change	Not available <sup>¶</sup>	No change
QNDAYSKL: F	Percentage of studen	its who currently useducts [such as Cope	0.2 ed smokeless tobacenhagen, Grizzly, Sl	co daily (chewing to	obacco, snuff,	No linear change  No linear change	Not available <sup>¶</sup> Not available	No change
QNDAYSKL: Fdip, snus, or dissany electronic va	Percentage of studen olvable tobacco pro apor products, on all	ats who currently useducts [such as Cope 30 days during the currently smoked ci	0.2 ed smokeless tobaccnhagen, Grizzly, Sl 30 days before the 0.1	co daily (chewing to koal, or Camel Snus survey)	obacco, snuff, s], not counting			

<sup>\*</sup>Non-Hispanic. †Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \$Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

2013 students who ts (on at least	1 day during the 30	2017	2019 or used smokeless	tobacco or	Linear Change <sup>†</sup> No linear change	Quadratic Change <sup>†</sup> Not available <sup>¶</sup>	Change from 2019-2021 §
students who ts (on at least	currently smoked of 1 day during the 30	cigarettes or cigars	or used smokeless irvey)	tobacco or	No linear change	Not available <sup>¶</sup>	Decreased
ts (on at least	1 day during the 30	days before the su	ırvey)		No linear change	Not available¶	Decreased
students who		4.9	6.4	2.9	No linear change	Not available¶	Decreased
students who							
days before		cigarettes or cigars	or used smokeless	tobacco (on at	No linear change	Not available	No change
			y (cigars, cigarillos	, or little cigars,			
0.4	0.0	0.2	0.4	0.4	Not available	Not available	No change
age of student	ss who currently sm the survey)	noked cigars daily (	cigars, cigarillos, or	r little cigars, on			No cha
ag	g the 30 day 0.4 e of student days before	g the 30 days before the survey 0.4 0.0  The of students who currently smalays before the survey)	g the 30 days before the survey) 0.4 0.0 0.2 e of students who currently smoked cigars daily (	g the 30 days before the survey)  0.4  0.0  0.2  0.4  de of students who currently smoked cigars daily (cigars, cigarillos, or days before the survey)	0.4 0.0 0.2 0.4 0.4  e of students who currently smoked cigars daily (cigars, cigarillos, or little cigars, on days before the survey)	g the 30 days before the survey)  0.4  0.0  0.2  0.4  Not available  the of students who currently smoked cigars daily (cigars, cigarillos, or little cigars, on days before the survey)	g the 30 days before the survey)  0.4  0.0  0.2  0.4  Not available  Not available  re of students who currently smoked cigars daily (cigars, cigarillos, or little cigars, on days before the survey)

<sup>\*</sup>Non-Hispanic.  $^{\dagger}$ Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  $^{\$}$ Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

# **Rhode Island Middle School Survey** 10-year Trend Analysis Report

White\*

		Health Risk Beha	nvior and Percenta	ges		Linear Change <sup>†</sup>	ange <sup>†</sup> Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021	<del></del>		
QN25: Percentag	ge of students who	ever drank alcohol (	other than a few sig	os)	:			
17.0	16.1	13.7	14.0	13.6	8.6	Decreased, 2011-2021	No quadratic change	Decreased
		drank alcohol for th	e first time before a	age 11 years (other t	han a few sips)			
		drank alcohol for th	e first time before a	ge 11 years (other t	han a few sips) 3.2	Decreased, 2011-2021	No quadratic change	No change
QN26: Percenta <sub>l</sub>	ge of students who		5.5		•	Decreased, 2011-2021	No quadratic change	No change
QN26: Percenta <sub>l</sub>	ge of students who	3.0	5.5		•	Decreased, 2011-2021  Decreased, 2011-2021	No quadratic change  No quadratic change	No change
QN26: Percentag 6.7 QN27: Percentag 7.8	5.8 ge of students who	3.0 ever used marijuana	5.5	5.7	3.2	·		

<sup>\*</sup>Non-Hispanic. †Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05.

cohol and Oth	er Drug Use	Health Risk Beha	vior and Percenta	ges		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021			
N29: Percenta ifferently than ydrocodone, ar	age of students who how a doctor told the dercocet)	ever took prescription em to use it (countie	on pain medicine wang drugs such as co	ithout a doctor's pre deine, Vicodin, Oxy	escription or ycontin,			
			6.3	4.6	5.0	No linear change	Not available¶	No change

<sup>\*</sup>Non-Hispanic.  $^{\dagger}$ Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  $^{\$}$ Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

# Rhode Island Middle School Survey 10-year Trend Analysis Report

White\*
Sexual Behaviors

**Health Risk Behavior and Percentages** 

Linear Change<sup>†</sup> Quadratic Change<sup>†</sup>

Change from 2019-2021 §

2011	2013	2015	2017	2019	2021			
QN32: Percentag	ge of students who	ever had sexual inte	rcourse					
8.7	5.9	4.5	4.6	5.3	3.2	Decreased, 2011-2021	No quadratic change	No change

<sup>\*</sup>Non-Hispanic.

 $<sup>^{\</sup>dagger}$ Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

<sup>§</sup>Based on t-test analysis, p < 0.05.

White* Physical Activity								
		Health Risk Beha	vior and Percenta	ges		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021			
	activity that increas	were physically acti ed their heart rate a						
61.0	56.0	58.6	53.3	52.0	54.8	Decreased, 2011-2021	No quadratic change	No change
least 1 day (in an		ts who did not partic activity that increase e survey)						
5.8	6.2	7.1	10.1	6.7	9.8	Increased, 2011-2021	No quadratic change	No change
	ical activity that inc	ts who were physica creased their heart ra						
35.5	29.0	29.4	27.2	27.8	33.1	No linear change	Decreased, 2011-2017 No change, 2017-2021	No change

<sup>\*</sup>Non-Hispanic. †Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05.

Vhite* Physical Activity		Health Risk Beha	vior and Percenta	ges		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021			
QN43: Percentage more times during		had a concussion fro fore the survey)	om playing a sport o	or being physically	active (one or			
			14.2	13.3	13.2	No linear change	Not available¶	No change

<sup>\*</sup>Non-Hispanic.  $^{\dagger}$ Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  $^{\$}$ Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

Vhite* Other		Health Risk Beha	vior and Percenta	ges		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021	<del></del>		
QN45: Percenta	age of students who	got 8 or more hours	of sleep (on an ave	rage school night)				

<sup>\*</sup>Non-Hispanic.  $^{\dagger}$ Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  $^{\$}$ Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

Vhite* lite-Added								
		Health Risk Beha	vior and Percenta	ges		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021			
QN47: Percenta	age of students who	think other people at	school would desc	cribe them as equal	y feminine and			
				19.7	19.3	No linear change	Not available¶	No change
QN49: Percenta 12 months befor		were in a physical fi	ght on school prop	erty (one or more ti	mes during the			
			11.4	11.4	8.8	Decreased, 2017-2021	Not available	No change
N50: Percenta	age of students who	reported someone w	ho lives with them	smokes cigarettes		+ +		
			33.9	25.9	29.6	No linear change	Not available	No change
		most of the time or a	always went hungry	y because there was	not enough food			
n their nome (di	uring the 30 days be	erore the survey)		2.2	2.9	No linear change	Not available	No change
						J		

<sup>\*</sup>Non-Hispanic.  $^{\dagger}$ Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  $^{\$}$ Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

# Rhode Island Middle School Survey 10-year Trend Analysis Report

		Health Risk Beha	nvior and Percenta	ages		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
			4015	2010	2021			
2011	2013	2015	2017	2019	2021			
N54: Percenta	age of students who onths before the surv	saw a dentist (for a	-		· · · · · · · · · · · · · · · · · · ·			

58.1

27.3

QN57: Percentage of students who have been taught about AIDS or HIV infection in school
72.3 49.4 56.5 44.1 43.5 19.3 Decreased, 2011-2021 No quadratic change Decreased

56.6

21.3

Increased, 2013-2021

Increased, 2013-2021

Not available

Not available

No change

Increased

White\*

46.1

16.7

QN56: Percentage of students who sometimes, most of the time, or always were self-conscious or embarrassed

56.6

18.9

during the 12 months before the survey)

46.3

16.2

because of their teeth or mouth (during the 12 months before the survey)

<sup>\*</sup>Non-Hispanic.

<sup>&</sup>lt;sup>†</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

<sup>§</sup>Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

# **Rhode Island Middle School Survey** 10-year Trend Analysis Report

Vhite* ite-Added		Health Risk Beha	vior and Percenta	ages		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021			
QN58: Percenta	ge of students who	strongly agree or ag	ree that they feel li	ke they belong at th	neir school			
							_	
	76.0	77.1	71.0	65.4	66.9	Decreased, 2013-2021	Not available <sup>¶</sup>	No change
	76.0 ge of students who wad an important question 78.6	would feel comforta	able seeking help fr			Decreased, 2013-2021  Increased, 2013-2021	Not available  Not available	
parents if they ha	ge of students who and an important quest 78.6	would feel comforta stion affecting their 83.2	able seeking help fr life 83.0	om one or more add	ults besides their 85.9			No change

0.1

1.1

No linear change

Not available

0.2

0.4

0.9

Increased

<sup>\*</sup>Non-Hispanic.  $^{\dagger}$ Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  $^{\$}$ Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

Black* Injury and Violen	nce							
		Health Risk Beha	vior and Percenta	ages		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021			
QN8: Percentage	e of students who d	id not always wear	a seat belt (when ri	ding in a car driven	by someone else)			
53.0	45.6	47.0	50.1	44.0	42.4	No linear change	No quadratic change	No change
QN12: Percentag	ge of students who	were ever bullied or	school property					
31.0	38.2	34.2	31.8	30.5	32.6	No linear change	No quadratic change	No change
	ge of students who	were ever electronic l media)	cally bullied (count	ing being bullied th	rough texting,			;
15.4	20.9	15.2	17.3	12.8	25.3	No linear change	No quadratic change	Increased
QN14: Percentag	ge of students who	ever seriously thoug	tht about killing the	emselves				
20.8	24.6	18.6	20.5	18.0	22.4	No linear change	No quadratic change	No change

<sup>\*</sup>Non-Hispanic.

Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. Based on t-test analysis, p < 0.05.

		Health Risk Beha	vior and Percenta	ges		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021			
N15: Percentag	ge of students who e	ver made a plan ab	out how they would	d kill themselves				
QN15: Percentag	ge of students who e	ver made a plan abo	out how they would	d kill themselves	16.2	No linear change	No quadratic change	No change
13.7		11.0	11.1		16.2	No linear change	No quadratic change	No change

<sup>\*</sup>Non-Hispanic. †Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05.

# **Rhode Island Middle School Survey** 10-year Trend Analysis Report

Black\*

		Health Risk Beha	vior and Percenta	ges		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021			
N17: Percenta	ge of students who	ever tried cigarette s	moking (even one	or two puffs)				
21.0	29.3	9.3	4.1	9.3	2.8	Decreased, 2011-2021	No quadratic change	Decreased
N19: Percenta urvey)	ge of students who	currently smoked ci	garettes (on at least	1 day during the 30	) days before the			
1.5	6.9	0.2	1.6	2.8	1.0	No linear change	No quadratic change	No change
		who currently smoke	ed cigarettes freque	ently (on 20 or more	days during the	1 1		
0 days before the				0.7	0.0	Not available	Not available¶	Not available
0 days before th	0.6	0.0	1.6	0.7	0.0	2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /	Tiot available	
0.4	ercentage of studen	ts who currently smo					1 vot avanable	

<sup>\*</sup>Non-Hispanic.  $^{\dagger}$ Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  $^{\$}$ Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

		Health Risk Beha	vior and Percenta	ges		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021			
QN21: Percenta	age of students who	ever used an electro	nic vapor product	:				
		21.3	26.5	22.8	13.4	Decreased, 2015-2021	Not available¶	Decreased
vape pens, e-cig	age of students who gars, e-hookahs, hoo ng the 30 days befor	kah pens, and mods				No linear change	Not available	No change
	rcentage of students		electronic vapor pr	oducts frequently (	on 20 or more			
	30 days before the s	uivey)						

<sup>\*</sup>Non-Hispanic.  $^{\dagger}$ Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  $^{\$}$ Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

Black* Fobacco Use		Health Risk Beha	vior and Percenta	ges		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021			
QNDAYEVP: If the 30 days before		ts who currently use	ed electronic vapor	products daily (on a	all 30 days during			
20 <b>aa</b> js 2 <b>0</b> 15	10 1110 301 1037	0.1	1.7	0.8	1.9	No linear change	Not available¶	No change
	ntage of students wh 30 days before the	o currently smoked survey) 8.4	cigarettes or used e	lectronic vapor prod	ducts (on at least	No linear change	Not available	No change
dissolvable toba	cco products [such a	currently used smok as Copenhagen, Griz	zly, Skoal, or Cam					
vapor products,	on at least 1 day dur	ring the 30 days before	-					
			2.8	3.6	1.3	No linear change	Not available	No change

<sup>\*</sup>Non-Hispanic.  $^{\dagger}$ Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  $^{\$}$ Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

lack* obacco Use								
		Health Risk Beha	vior and Percenta	ages		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021	_		
lip, snus, or diss	centage of students solvable tobacco pro	ducts [such as Cope	enhagen, Grizzly, Sl	koal, or Camel Snus				
ny electronic va	apor products, on 20	or more days durin	g the 30 days belof					
iny electronic va	apor products, on 20	or more days durin	0.9	1.4	0.6	No linear change	Not available <sup>¶</sup>	No change
QNDAYSKL: Flip, snus, or diss	Percentage of students tobacco proper products, on all	its who currently useducts [such as Cope	0.9 ed smokeless tobacenhagen, Grizzly, Sl	1.4 co daily (chewing to koal, or Camel Snus	obacco, snuff,	No linear change	Not available¶	No change
QNDAYSKL: Flip, snus, or diss	Percentage of studen solvable tobacco pro	its who currently useducts [such as Cope	0.9 ed smokeless tobacenhagen, Grizzly, Sl	1.4 co daily (chewing to koal, or Camel Snus	obacco, snuff,	No linear change  No linear change	Not available¶  Not available	No change
QNDAYSKL: Flip, snus, or dissany electronic va	Percentage of studen solvable tobacco pro	ts who currently useducts [such as Cope 30 days during the currently smoked ci	0.9  ed smokeless tobaccenhagen, Grizzly, Sl 30 days before the 0.9	co daily (chewing to koal, or Camel Snus survey)	obacco, snuff, e], not counting 0.6	· · · · · · · · · · · · · · · · · · ·		

<sup>\*</sup>Non-Hispanic.  $^{\dagger}$ Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  $^{\$}$ Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

Black* Cobacco Use								
		Health Risk Beha	vior and Percenta	ges		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021			
		no currently smoked of the day during the 30			tobacco or			
			7.8	8.3	9.2	No linear change	Not available¶	No change
	ntage of students wh	no currently smoked (e the survey)	cigarettes or cigars	or used smokeless	tobacco (on at	<u>.</u>		
			cigarettes or cigars 3.1	or used smokeless	tobacco (on at	No linear change	Not available	Decreased
least 1 day durin	ng the 30 days befor		3.1	5.0	1.6	No linear change	Not available	Decreased
least 1 day durin	ng the 30 days befor	e the survey) s who currently smok	3.1	5.0	1.6	No linear change  Not available	Not available  Not available	Decreased No change
QNFRCGR: Pe on 20 or more do 0.0	ercentage of students ays during the 30 da 0.6	s who currently smok ays before the survey 0.0	3.1 xed cigars frequentl ) 0.9	5.0 y (cigars, cigarillos 1.4	1.6 , or little cigars, 0.6			

<sup>\*</sup>Non-Hispanic. †Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \$Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

Black*			
Alcohol and	Other	Drug	Use

		Health Risk Beha	vior and Percenta	ges		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021	<del></del>		
QN25: Percentag	ge of students who	ever drank alcohol (	other than a few sig	os)				
21.4	22.0	19.3	28.8	19.0	13.7	Decreased, 2011-2021	No quadratic change	No change
31.4  QN26: Percentag	ge of students who							
QN26: Percenta <sub>s</sub> 9.9	ge of students who	drank alcohol for th	e first time before a			No linear change	No quadratic change	No change
QN26: Percenta 9.9 QN27: Percenta	ge of students who	drank alcohol for th 7.8 ever used marijuana	e first time before a	ge 11 years (other t	than a few sips) 5.1	No linear change		No change
QN26: Percenta <sub>s</sub> 9.9	ge of students who	drank alcohol for th	e first time before a	ge 11 years (other t	han a few sips)			
QN26: Percenta 9.9 QN27: Percenta 16.3	ge of students who	drank alcohol for th 7.8 ever used marijuana 9.4	e first time before a	ge 11 years (other t 8.8 14.1	than a few sips) 5.1	No linear change	No quadratic change	No change

<sup>\*</sup>Non-Hispanic. †Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05.

		Health Risk Beha	vior and Percenta	ges		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021	- <del></del>		
	age of students who how a doctor told th							
ydrocodone, ar	nd Percocet)							

<sup>\*</sup>Non-Hispanic.  $^{\dagger}$ Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  $^{\$}$ Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

# Rhode Island Middle School Survey 10-year Trend Analysis Report

Black\* Sexual Behaviors

**Health Risk Behavior and Percentages** 

Linear Change<sup>†</sup> Quadratic Change<sup>†</sup>

Change from 2019-2021 §

2011	2013	2015	2017	2019	2021		
QN32: Percentag	ge of students who	ever had sexual inte	rcourse				

<sup>\*</sup>Non-Hispanic.

 $<sup>^{\</sup>dagger}$ Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

<sup>§</sup>Based on t-test analysis, p < 0.05.

hysical Activity		Health Risk Beha	vior and Percenta	ages		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021			
	activity that increas	were physically actived their heart rate ar						
51.6	48.9	52.4	36.2	37.4	39.6	Decreased, 2011-2021	No quadratic change	No change
least 1 day (in an		ts who did not partic activity that increase e survey)				No linear change	No quadratic change	No change
least 1 day (in an the time during th 19.1 QNPA7DAY: Po	ny kind of physical a he 7 days before the 20.2  Percentage of studentical activity that inc	ectivity that increase survey)	35.3  Ally active at least 6	22.0 00 minutes per day of	ne hard some of 22.7 on all 7 days (in	No linear change	No quadratic change	No chango

<sup>\*</sup>Non-Hispanic. †Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. §Based on t-test analysis, p < 0.05.

Black* Physical Activity		Health Risk Beha	vior and Percenta	Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §		
2011	2013	2015	2017	2019	2021			
QN43: Percentage more times during		had a concussion fro	om playing a sport of	or being physically	active (one or			
			20.7	15.5	20.9	No linear change	Not available¶	No change

<sup>\*</sup>Non-Hispanic.  $^{\dagger}$ Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  $^{\$}$ Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

Black* Other		Health Risk Beha	vior and Percenta	Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §		
2011	2013	2015	2017	2019	2021			
QN45: Percenta	ge of students who	got 8 or more hours	of sleep (on an ave	rage school night)				
				42.0	46.0	No linear change	Not available¶	No change

<sup>\*</sup>Non-Hispanic.  $^{\dagger}$ Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  $^{\$}$ Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

te-Added								
		Health Risk Beha	nvior and Percenta	ages		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021			
QN47: Percentago	e of students who	think other people a	t school would des	cribe them as equal	ly feminine and			
				20.5	16.6	No linear change	Not available¶	No change
QN49: Percentage		were in a physical fi	ight on school prop	erty (one or more ti	imes during the			,
			21.3	27.3	15.8	No linear change	Not available	Decreased
N50: Percentage	e of students who	reported someone w	ho lives with them	smokes cigarettes				
			35.1	23.8	24.3	No linear change	Not available	No change
		most of the time or a	always went hungr	y because there was	s not enough food			
n meir nome (dur	ring the 30 days be	nore the survey)		4.7	4.7	No linear change	Not available	No change

<sup>\*</sup>Non-Hispanic.  $^{\dagger}$ Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  $^{\$}$ Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

# **Rhode Island Middle School Survey 10-year Trend Analysis Report**

Black* Site-Added		Health Risk Beha	vior and Percenta	ges		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021			
	nge of students who sonths before the surv		check-up, exam, tee	eth cleaning, or other	er dental work,	,		
			71.7	6 <b>7</b> 0	540	N7 12 1	NI	NT1
	59.8	64.1	71.7	65.9	54.2	No linear change	Not available¶	No change
	59.8  age of students who is onths before the surv	reported their teeth				No linear change	Not available	No change
	age of students who	reported their teeth				Increased, 2013-2021	Not available  Not available	Increased
during the 12 mo	age of students who a	reported their teeth /ey) 42.0	or mouth have been 53.7 the time, or always	painful or sore (on 46.0	e or more times 60.4	Increased, 2013-2021		

30.3

14.5

Decreased, 2011-2021

37.5

65.7

59.6

45.2

Decreased

No quadratic change

<sup>\*</sup>Non-Hispanic. †Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.

 $<sup>{}^{\</sup>S}$ Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

lack* ite-Added		Health Risk Beha	vior and Percenta	oges		Linear Change <sup>†</sup>	Quadratic Change <sup>†</sup>	Change from 2019-2021 §
2011	2013	2015	2017	2019	2021			
QN58: Percentag	ge of students who	strongly agree or ag	ree that they feel li	ke they belong at th	eir school			
		<i>((</i> 0	53.0	57.1	57.8	No linear change	Not available <sup>¶</sup>	No change
	59.5 ge of students who		able seeking help fr					
		would feel comforta	able seeking help fr			No linear change	Not available	Increased
parents if they ha	ge of students who ad an important ques 71.3 ge of students who	would feel comforta stion affecting their 75.0	able seeking help fr life 89.4	om one or more add	ults besides their 80.7		Not available	
parents if they have parents i	ge of students who ad an important ques 71.3 ge of students who	would feel comforta stion affecting their 75.0	able seeking help fr life 89.4	om one or more add	ults besides their 80.7		Not available  No quadratic change	
QN61: Percentage for the survey 60.7	ge of students who wand an important question 71.3  ge of students who way	would feel comforta stion affecting their 75.0 described their grad 68.6	able seeking help fr life 89.4 es in school as mos 54.8	om one or more add 68.1 stly A's or B's (durin 68.1	80.7  ng the 12 months  68.3	No linear change		Increased

<sup>\*</sup>Non-Hispanic.  $^{\dagger}$ Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05.  $^{\$}$ Based on t-test analysis, p < 0.05.

Not enough years of data to calculate.

# Rhode Island Middle School Survey 10-year Trend Analysis Report

**Injury and Violence Health Risk Behavior and Percentages** Linear Change\* Quadratic Change\* Change from 2019-2021 † 2011 2013 2015 2017 2019 2021 QN8: Percentage of students who did not always wear a seat belt (when riding in a car driven by someone else) 55.0 49.3 48.6 52.9 46.2 43.0 Decreased, 2011-2021 No quadratic change No change QN12: Percentage of students who were ever bullied on school property 33.6 37.9 34.5 31.3 28.5 33.9 No linear change No quadratic change Increased

		-					Increased, 2017-2021	
QN14: Percentage	e of students who e	ever seriously thoug	ght about killing the	emselves				
21.3	29.9	19.0	21.7	19.6	30.7	No linear change	No quadratic change	Increased

31.2

Increased, 2011-2021

No change, 2011-2017

14.8

QN13: Percentage of students who were ever electronically bullied (counting being bullied through texting,

14.8

16.1

Hispanic

Instagram, Facebook, or other social media)

22.3

18.1

Increased

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. Based on t-test analysis, p < 0.05.

## **Rhode Island Middle School Survey 10-year Trend Analysis Report**

		Health Risk Behav	vior and Percentag	Linear Change*	Quadratic Change <sup>*</sup>	Change from 2019-2021 †		
2011	2013	2015	2017	2019	2021	<del></del>		
N15: Percentag	ge of students who e	ever made a plan ab	out how they would	l kill themselves		:		
QN15: Percentag	ge of students who e	ever made a plan ab	oout how they would	d kill themselves	21.7	No linear change	No quadratic change	Increased
14.0	-	13.4	15.4		21.7	No linear change	No quadratic change	Increased

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

## **Rhode Island Middle School Survey** 10-year Trend Analysis Report

		Health Risk Behav	ior and Percentag	ges		Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2019-2021
2011	2013	2015	2017	2019	2021			
N17: Percenta	ge of students who	ever tried cigarette s	smoking (even one	or two puffs)				
23.8	24.1	7.4	8.3	7.7	8.2	Decreased, 2011-2021	Decreased, 2011-2017 No change, 2017-2021	No change
N19: Percenta urvey)	ge of students who	currently smoked ci	garettes (on at least	1 day during the 30	days before the			,
5.7	5.9	1.0	3.7	2.2	1.5	Decreased, 2011-2021	No quadratic change	No change
NFRCIG: Perc 0 days before th	centage of students rate survey)	who currently smok	ed cigarettes freque	ently (on 20 or more	e days during the			,
2.7	0.2	0.2	0.5	0.0	0.6	Not available	Not available <sup>§</sup>	Not available
NDAYCIG: Postore the survey		ts who currently sme	oked cigarettes dail	y (on all 30 days du	nring the 30 days			
2.6	0.2	0.2	0.5	0.0	0.6	Not available	Not available	Not availabl

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

## **Rhode Island Middle School Survey** 10-year Trend Analysis Report

		Health Risk Behav	ior and Percentag	ges		Linear Change*	Quadratic Change <sup>*</sup>	Change from 2019-2021 †
2011	2013	2015	2017	2019	2021	<del></del>		
QN21: Percent	tage of students who	ever used an electro	nic vapor product	;	,			
		23.7	24.0	18.5	17.0	Decreased, 2015-2021	Not available§	No change
	tage of students who	cah pens, and mods						
east 1 day durii	ng the 30 days before	e tile sui vey)						
	ng the 30 days before	11.9	11.3	7.1	9.5	Decreased, 2015-2021	Not available	No change
east 1 day durii	ercentage of students and days before the s	who currently used				Decreased, 2015-2021	Not available	No change

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05. §Not enough years of data to calculate.

		Health Risk Behav	ior and Percentag	ges		Linear Change*	Quadratic Change*	Change from 2019-2021
2011	2013	2015	2017	2019	2021			
QNDAYEVP: If the 30 days befo		its who currently use	ed electronic vapor	products daily (on	all 30 days during			
aic 30 days 0010	re the survey)	0.8	2.8	0.5	1.2	No linear change	Not available§	No change
		o currently smoked	cigarettes or used e	lectronic vapor pro	ducts (on at least			,
1 day during the	30 days before the	11.8	12.7	7.1	8.9	Decreased, 2015-2021	Not available	No change
ON23: Percenta	ge of students who	currently used smok	eless tobacco (chev	wing tobacco, snuff	dip, snus, or			
dissolvable toba	cco products [such a	as Copenhagen, Griz ing the 30 days befo	zly, Skoal, or Cam					
	•	-	•					

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

bacco Use		Health Risk Behav	Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2019-2021 †			
2011	2013	2015	2017	2019	2021			
lip, snus, or diss	solvable tobacco pro	who currently used oducts [such as Cope or more days durin	nhagen, Grizzly, Sl	koal, or Camel Snu				
			1.5	0.8	0.4	No linear change	Not available§	No change
lip, snus, or diss	solvable tobacco pro	nts who currently used oducts [such as Cope 1 30 days during the	ed smokeless tobace	co daily (chewing to	obacco, snuff,	No linear change  No linear change	Not available <sup>§</sup> Not available	No change
lip, snus, or diss	solvable tobacco pro	oducts [such as Cope	ed smokeless tobacconhagen, Grizzly, Sl 30 days before the	co daily (chewing to koal, or Camel Snus survey)	obacco, snuff, s], not counting			
ip, snus, or diss ny electronic va 2N24: Percenta	solvable tobacco pro apor products, on al	oducts [such as Cope 1 30 days during the currently smoked ci	ed smokeless tobacc nhagen, Grizzly, Sl 30 days before the 0.9	co daily (chewing to koal, or Camel Snu- survey) 0.8	obacco, snuff, s], not counting			

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05. §Not enough years of data to calculate.

spanic bacco Use								
		Health Risk Behav	vior and Percentag	ges		Linear Change*	Quadratic Change*	Change from 2019-2021
2011	2013	2015	2017	2019	2021			
		o currently smoked at 1 day during the 3			tobacco or			
			14.0	6.9	9.3	Decreased, 2017-2021	Not available§	No change
			14.0					
	ntage of students wh	o currently smoked e the survey)				· · · · · · · · · · · · · · · · · · ·		
						Decreased, 2017-2021	Not available	No change
east 1 day durin	ng the 30 days before		cigarettes or cigars 7.7 ked cigars frequentl	or used smokeless	tobacco (on at	Decreased, 2017-2021	Not available	No change
east 1 day durin	ng the 30 days before	twho currently smol	cigarettes or cigars 7.7 ked cigars frequentl	or used smokeless	tobacco (on at	Decreased, 2017-2021  No linear change	Not available  No quadratic change	No change
QNFRCGR: Pe on 20 or more da 1.5	rcentage of students ays during the 30 da 0.3	who currently smol sys before the survey 0.0	7.7  ked cigars frequentl  1.9	or used smokeless 3.8  ly (cigars, cigarillos 0.5	tobacco (on at 2.0 s, or little cigars, 0.4			

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

## **Rhode Island Middle School Survey 10-year Trend Analysis Report**

Hisnanic

		Health Risk Behav	vior and Percentag		Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2019-2021 †	
2011	2013	2015	2017	2019	2021	<del></del>		
QN25: Percenta	ge of students who	ever drank alcohol (	other than a few si	ps)				
40.9	36.3	21.1	35.5	20.0	18.4	Decreased, 2011-2021	No quadratic change	No change
			,	, , , , , , , , , , , , , , , , , , , ,				
QN26: Percenta	ge of students who	drank alcohol for th	e first time before ε	age 11 years (other t	han a few sips) 9.6	Decreased, 2011-2021	No quadratic change	No change
17.4		9.1	13.9			Decreased, 2011-2021	No quadratic change	No change
17.4	18.2	9.1	13.9			Decreased, 2011-2021  Decreased, 2011-2021	No quadratic change  No quadratic change	No change
17.4 QN27: Percenta 14.0	18.2	9.1 ever used marijuana 8.0	13.9	9.1	9.6			

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

ispanic lcohol and Other Drug Use		Health Risk Behav	ior and Percentag	ges	Linear Change <sup>*</sup>	Quadratic Change*	Change from 2019-2021 <sup>†</sup>	
2011	2013	2015	2017	2019	2021			
	age of students who how a doctor told that Percocet)							
			9.5	8.8	13.8	No linear change	Not available§	Increased

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

## **Rhode Island Middle School Survey 10-year Trend Analysis Report**

		Health Risk Beha	vior and Percentag	es	Linear Change*	Quadratic Change*	Change from 2019-2021 †	
2011	2013	2015	2017	2019	2021	<del></del>		
N32: Percentag	ge of students who	ever had sexual into	ercourse					
20.4	15.2	9.9	15.2	9.6	7.0	Decreased, 2011-2021	No quadratic change	No change

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

ysical Activity		Health Risk Behav	ior and Percentag	res		Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2019-2021
2011	2013	2015	2017	2019	2021			
	activity that increas	were physically acti sed their heart rate an						
38.8	34.7	41.9	35.0	31.5	32.6	Decreased, 2011-2021	No quadratic change	No change
least 1 day (in ar		ts who did not partic activity that increase e survey) 19.9				No linear change	No quadratic change	No change
	sical activity that inc	ts who were physica creased their heart ra						

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

Iispanic Physical Activity		Health Risk Behav	Linear Change*	Quadratic Change <sup>*</sup>	Change from 2019-2021 <sup>†</sup>			
2011	2013	2015	2017	2019	2021			
	ge of students who g the 12 months be	had a concussion fre efore the survey)	om playing a sport	or being physically	active (one or			

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

Hispanic Other		Health Risk Behav	vior and Percentag	Linear Change <sup>*</sup>	Quadratic Change*	Change from 2019-2021 <sup>†</sup>		
2011	2013	2015	2017	2019	2021			
QN45: Percenta	ge of students who	got 8 or more hours	of sleep (on an ave	rage school night)				
				49.6	39.5	No linear change	Not available <sup>§</sup>	Decreased

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. \*Based on t-test analysis, p < 0.05. \*Not enough years of data to calculate.

## **Rhode Island Middle School Survey 10-year Trend Analysis Report**

ispanic ite-Added		Health Risk Behav	vior and Percentag	ges		Linear Change <sup>*</sup>	Quadratic Change*	Change from 2019-2021
2011	2013	2015	2017	2019	2021			
QN47: Percenta masculine	age of students who	think other people a	t school would desc	cribe them as equal	y feminine and 24.6	No linear change	Not available <sup>§</sup>	No change
QN49: Percenta 12 months befor		were in a physical fi	ight on school prop	erty (one or more ti	mes during the	No linear change	Not available	Decreased

5.3

4.8

No linear change

Not available

QN53: Percentage of students who most of the time or always went hungry because there was not enough food

in their home (during the 30 days before the survey)

No change

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05.

<sup>§</sup>Not enough years of data to calculate.

## **Rhode Island Middle School Survey** 10-year Trend Analysis Report

te-Added		Health Risk Behav	ior and Percentag	ges		Linear Change <sup>*</sup>	Quadratic Change*	Change from 2019-2021
2011	2013	2015	2017	2019	2021	<del></del>		
	ge of students who sonths before the surv		check-up, exam, tee	eth cleaning, or oth	er dental work,			
	63.8	60.8	66.0	61.4	56.5	No linear change	Not available§	No change
	ge of students who i		or mouth have been	n painful or sore (or	ne or more times			
	40.4	41.8	49.7	40.7	53.2	Increased, 2013-2021	Not available	Increased
	ge of students who steeth or mouth (duri			were self-consciou	is or embarrassed			
	18.7	17.0	14.6	18.7	33.9	Increased, 2013-2021	Not available	Increased
QN57: Percenta	ge of students who l	have been taught ab	out AIDS or HIV i	nfection in school				
58.9	59.1	50.1	45.5	30.1	23.7	Decreased, 2011-2021	No change, 2011-2017 Decreased, 2017-2021	No change

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05. §Not enough years of data to calculate.

## **Rhode Island Middle School Survey** 10-year Trend Analysis Report

		Health Risk Behav	ior and Percentag		Linear Change <sup>*</sup>	Quadratic Change <sup>*</sup>	Change from 2019-2021 †	
2011	2013	2015	2017	2019	2021			
QN58: Percenta	ge of students who	strongly agree or ag	ree that they feel lil	ke they belong at th	eir school			
	62.5	68.8	60.4	57.1	53.3	Decreased, 2013-2021	Not available§	No change
		would feel comforta stion affecting their		om one or more ad	ılts besides their	<del></del>		
	68.4	77.9	77.6	76.5	76.6	No linear change	Not available	No change
N61: Percenta		described their grade	es in school as mos	tly A's or B's (during	ng the 12 months			
57.4	59.9	66.3	63.7	65.5	65.8	Increased, 2011-2021	No quadratic change	No change
QNNODNT: Pelental work)	ercentage of students	s who never saw a de	entist (for a check-	up, exam, teeth clea	ning, or other			

<sup>\*</sup>Based on trend analyses using a logistic regression model controlling for sex, race/ethnicity, and grade, p < 0.05. †Based on t-test analysis, p < 0.05. §Not enough years of data to calculate.